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NOTICE OF ALLOWANCE AND FEE(S) DUE

23599

750

02/26/2010

MILLEN, WHITE, ZELANO & BRANIGAN, P.C. 2200 CLARENDON BLVD.
SUITE 1400
ARLINGTON, VA 22201

EXAMINER

PARVINI, PEGAH

ART UNIT PAPER NUMBER

1793 DATE MAILED: 02/26/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/588.459	08/04/2006	Alfred Hennemann	MERCK-3198	5758

TITLE OF INVENTION: PARTICLES HAVING A FUNCTIONAL MULTILAYERED STRUCTURE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/26/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS; This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ap in m

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)			Fee(s) Transmittal, This	s certificate cannot be use	I for domestic mailings of the ed for any other accompanying ument or formal drawing, must	
23500	7500 02/26	2010	have	its own certificate	of mailing or transmissio	ment or formal drawing, must n.	
23599 7590 02/26/2010 MILLEN, WHITE, ZELANO & BRANIGAN, I 2200 CLARENDON BLVD. SUITE 1400			. I her State addr trans	Cert reby certify that thi es Postal Service w essed to the Mail emitted to the USPT	ificate of Mailing or Trass Fee(s) Transmittal is booth sufficient postage for Stop ISSUE FEE address (50 (571) 273-2885, on the	ansmission eing deposited with the United first class mail in an envelope ess above, or being facsimile he date indicated below.	
ARLINGTON, V	VA 22201					(Depositor's name)	
						(Signature)	
						(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DOCKET NO	CONFIRMATION NO.	
10/588,459	08/04/2006	•	Alfred Hennemann	•	MERCK-3198	5758	
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/26/2010	
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
PARVINI	, PEGAH	1793	428-405000				
1. Change of corresponde CFR 1.363).	ence address or indication	of "Fee Address" (37	2. For printing on the patent front page, list				
	ondence address (or Cha	nge of Correspondence	(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,				
☐ Change of correspondence address (or Change of Correspondenc Address form PTO/SB/122) attached. ☐ "Fee Address" indication (or "Fee Address" Indication form			(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to				
	2 or more recent) attach		2 registered patent attor listed, no name will be	nevs or agents. If n	no name is 3		
		TO BE PRINTED ON	I THE PATENT (print or typ	e)			
PLEASE NOTE: Unl	ess an assignee is identi	fied below, no assignee	data will appear on the pa	itent. If an assigne	ee is identified below, the	e document has been filed for	
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(1)1112121			(8) 123 21 (811 1		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		
Please check the appropri	iate assignee category or	categories (will not be pr	rinted on the patent): \Box	Individual 🖵 Co	rporation or other private	group entity Government	
4a. The following fee(s)	are submitted:	41	o. Payment of Fee(s): (Plea	se first reapply an	y previously paid issue f	fee shown above)	
Issue Fee			A check is enclosed.				
	To small entity discount p		Payment by credit care The Director is hereby			deficiency, or credit any	
			The Director is hereby overpayment, to Depor	sit Account Number	r (enclos	se an extra copy of this form).	
5. Change in Entity State	tus (from status indicated s SMALL ENTITY statu	,	☐ b. Applicant is no long	er claiming SMAI	I ENTITY status See 37	7 CER 1 27(g)(2)	
NOTE: The Issue Fee and	d Publication Fee (if requ	ired) will not be accepte	d from anyone other than th			or the assignee or other party in	
interest as shown by the i	records of the United Sta	es Patent and Trademark	Office.				
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This collection of inform	ation is required by 37 C	FR 1 311. The information	on is required to obtain or r	etain a benefit by th	ne public which is to file ((and by the USPTO to process)	
an application. Confident submitting the completed this form and/or suggesti Box 1450, Alexandria, V	ation is required by 37 tiality is governed by 35 d application form to the ons for reducing this bur (irginia 22313-1450. DO	U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to th NOT SEND FEES OR	1.14. This collection is est depending upon the indivention office COMPLETED FORMS TO	imated to take 12 n idual case. Any coi r, U.S. Patent and T D THIS ADDRESS.	minutes to complete, incluments on the amount of Trademark Office, U.S. I. SEND TO: Commission	ding gathering, preparing, and ftime you require to complete Department of Commerce, P.O. ner for Patents, P.O. Box 1450,	

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23599 75	590 02/26/2010		EXAM	INER
MILLEN, WHIT	E, ZELANO & BRA	PARVINI, PEGAH		
2200 CLARENDO	ON BLVD.	ART UNIT	PAPER NUMBER	
SUITE 1400 ARLINGTON, VA	x 22201		1793 DATE MAILED: 02/26/201	0

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 508 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 508 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)					
	10/588,459	HENNEMANN ET AL.					
Notice of Allowability	Examiner	Art Unit					
	PEGAH PARVINI	1793					
	PEGAR PARVINI	1793					
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	in this application. If not included nunication will be mailed in due course. THIS					
1. \boxtimes This communication is responsive to <u>Amendment After Fir</u>	nal filed 2/4/2010.						
2. The allowed claim(s) is/are <u>1,3,7-9, 11-15 and 17</u> .							
 3. Acknowledgment is made of a claim for foreign priority units a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 		or (f).					
2. Certified copies of the priority documents have	e been received in Applicati	on No					
3. Copies of the certified copies of the priority do	cuments have been receive	ed in this national stage application from the					
International Bureau (PCT Rule 17.2(a)).							
* Certified copies not received:							
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requirements					
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give							
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.						
(a) including changes required by the Notice of Draftspers	(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached						
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date							
(b) ☐ including changes required by the attached Examiner'Paper No./Mail Date	(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date						
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t							
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.							
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of I	nformal Patent Application					
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),					
3. ☐ Information Disclosure Statements (PTO/SB/08),	Paper No	./Mail Date ´ s Amendment/Comment					
Paper No./Mail Date4. Examiner's Comment Regarding Requirement for Deposit		s Statement of Reasons for Allowance					
of Biological Material	 9.						
/Anthony J Green/							
Primary Examiner, Art Unit 1793							

DETAILED ACTION

Election/Restrictions

Claims 1, 3, 7-9, and 11 are directed to an allowable product. Pursuant to the procedures set forth in MPEP § 821.04(B), claims 12-15, directed to the process of making or using an allowable product and claim 17, directed to coatings made according to the allowable product, previously withdrawn from consideration as a result of a restriction requirement, are hereby rejoined and fully examined for patentability under 37 CFR 1.104.

Because all claims previously withdrawn from consideration under 37 CFR 1.142 have been rejoined, the restriction requirement as set forth in the Office action mailed on 2/26/2009 is hereby withdrawn. In view of the withdrawal of the restriction requirement as to the rejoined inventions, applicant(s) are advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

REASON FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: The prior art do not disclose or suggest particles having a multilayered structure consisting of

substrates selected from the group consisting of SiO₂ particles, TiO₂ particles, holographic pigments, pearlescent pigments, interference pigments, multilayered pigments and/or BiOCI pigments which is coated with a layer of one or more polymers and a layers of one or more silanes applied thereto. Furthermore, even though the prior art may disclose polymer-coated colored substrate particles which are further covered with silanes, they do not disclose (1) substrates such as those recited in instant claims 1 and 3 and (2) substrates coated with a layer of one or more polymers and a layer of one or more silanes applied thereto wherein the substrate is one of those recited in claim 3.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PEGAH PARVINI whose telephone number is (571)272-2639. The examiner can normally be reached on Monday to Friday 8:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jerry Lorengo can be reached on 571-272-1233. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 1793

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Pegah Parvini/ Examiner, Art Unit 1793 /Anthony J Green/ Primary Examiner, Art Unit 1793